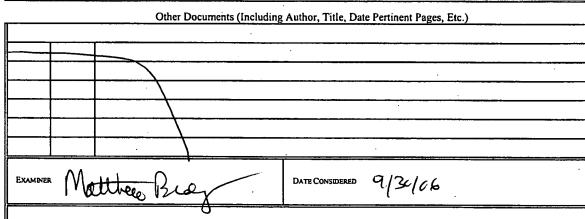
Form PTO 1449	ATTY. DOCKET NUMBER ASAM.0118	Serial Number To be assigned 10812893		
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Information Disclosure Statement by Applicant	FILING DATE Concurrently herewith	GROUP 2187		

U.S. Patent Documents

Examiner	DOCUMENT NUMBER .	DATE	Name	CIV	SUBC	FILING DATE
Initial				SS	LASS	
MB	2003/0193732 A1	10/16/2003	Hakamata et al.		<u> </u>	4/14/2003
	6,057,974	5/2/2000	Sukigara et al.		(	7/18/97
	2002/0034379A1	3/21/2002	Tanaka		_	7/26/2001
1	2002/0144057 A1	10/3/2002	Li et al.			1/29/2002
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Foreign Patent Documents

Examiner	DOCUMENT NUMBER	FILING DATE	COUNTRY	CLASS	SUB-	Translation		
Initial	'				CLA SS	YES	No	
MB	8-190762	1/9/95	Japan	1	î	Abstract	X	
1	9-251353	3/14/96	Japan		(	Abstract	Х	
	10-283123	4/3/97	Japan		~	Abstract	х	
	11-203057	1/9/98	Japan		_	Abstract	X	
	2002-297320	3/30/2001	Japan			Abstract	Х	
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MB	2003/0193732 A1	10/16/2003	Hakamata et al.	_	ſ	04/14/2003
	2003/0193733 A1	10/16/2003	Hakamata et al.	_	^	04/14/2003
	6,583,947 B1	06/24/2003	· Hakamata et al.			08/26/1999
	6,057,974	05/02/2000	Sukigara et al.	_	_	07/18/1997
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	Oti	her Documents (Including	Author, Title, Dat	e Pertinent Pages, Etc.)
MB	United Kingdo	m Search Report dated So	eptember 29, 2004	
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NA TRAUS	Examiner	DOCUMENT NUMBER	DATE	Name	CLASS	SUB	FILIN	G DATE		
	Initial					CLASS				
	MB	2003/0212859 A1	11/13/2003	Ellis et al.			8/12	2/2002		
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MAS					U.S. P	aten	Documents	-				
S.691,948   11725/97   Saskabe			DOCUMENT NUMBER		DATE		NAME	CLASS	SUB-	FILIN	IG DATE	
S,809,316   9/15/98   Gouzu	Initial	1 1							CLASS			
S,809,316   9/15/98   Gouzu	MR	+	5.691.948	_	11/25/97	Sa	skahe	-		12	/5/06	
S.875,120   2/23/99   Matsushima et al.   7/1/96		1 1						<del> </del>	<del>  =                                   </del>			
S,918,059   6/29/99   Tavallaci et al.   8/15/97			5,875,120		2/23/99	Ma	tsushima et al.	-				
S,937,433		1			6/29/99	Ta	vallaei et al.					
6,192,481   2/20/2001   Deenadhayalan et al.   8/18/98     6,233,691   5/15/2001   Atkinson   1/10/2000     6,628,469   9/30/2003   Hoyt   7/11/2000     2003/020473 A1   10/23/2003   Fung   5/18/2001     2003/0217300 A1   11/20/2003   Fukumori et al.   4/29/2003     2004/0054939 A1   3/18/2004   Guha et al.   6/26/2003     2004/0054670 A1   4/8/2004   Sizuki et al.   6/16/2003     2004/0068670 A1   4/8/2004   Fisk et al.   3/21/2003     2004/0058672 A1   4/8/2004   Fisk et al.   3/21/2003     2004/025903 A1   11/11/2004   Hirezaki et al.   10/10/2003     2004/0259148 A1   12/9/2004   Tsirkel et al.   6/9/2003		1	5,937,433	_	8/10/99	Le	e et al.	<del>  </del>	_			
6,233,691   5/15/2001   Atkinson   1/10/2000			6,052,791	4	/18/2000	a	en et al.	<u> </u>		10/	14/98	
Country   Country   Class   Country   Class   Country   Class   Class   Country   Class   Class   Country   Class   Class   Country   Class   Class   Country   Class			6,192,481	2	/20/2001	De	enadhayalan et al.		_	8/1	8/98	
2003/020473 A1   10/23/2003   Fung   5/18/2001			6,233,691	5	/15/2001	At	kinson		_	1/10	)/2000	
2003/0217300 A1   11/20/2003   Fukumori et al.			6,628,469	9	/30/2003	Но	yt	-	_	7/1	/2000	
2004/0054939 A1 3/18/2004   Guha et al.			2003/0200473 A1	10	0/23/2003	Fu	ng	-		5/18	3/2001	
2004/0068670 A1			2003/0217300 A1	11	1/20/2003	Fu	kumori et al.			4/29	9/2003	
2004/0068672 A1 4/8/2004 Fisk et al. 3/21/2003 2004/0225903 A1 11/11/2004 Hirezaki et al. 10/10/2003 2004/0250148 A1 12/9/2004 Tsirkel et al 6/9/2003  Foreign Patent Documents  Examiner Initial Document Number Filing Date Country Class Sub-Translation Class Yes No  WWW 2002-297320 3/30/2001 Japan - X  WWW 003/081416 A2 3/21/2003 PCT - X  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED 9/30/066			2004/0054939 A1	. 3	/18/2004	Gu	ha et al.			6/20	5/2003	
Converge		$\bot$			4/8/2004					6/10	5/2003	
Total Patent Documents  Examiner Initial DOCUMENT NUMBER FILING DATE COUNTRY CLASS VIB CLASS YES NO  WAS 2002-297320 3/30/2001 Japan - X  WO 03/081416 A2 3/21/2003 PCT - X  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED 9/30/06		11				004 Hirezaki et al.				3/2	/2003	
Foreign Patent Documents  Examiner Initial DOCUMENT NUMBER FILING DATE COUNTRY CLASS SUB-CLASS YES NO  MAG 2002-297320 3/30/2001 Japan — X  WO 03/081416 A2 3/21/2003 PCT — X  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED 9/30/06	-	1										
Examiner Initial  DOCUMENT NUMBER  FILING DATE  COUNTRY  CLASS  WE  TRANSLATION  YES  NO  WE  WO 03/081416 A2 3/21/2003  PCT  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED  Q/30/06			2004/0250148 A1	1	2/9/2004				<u>                                     </u>	6/9/2003		
Examiner Initial  DOCUMENT NUMBER  FILING DATE  COUNTRY  CLASS  WE  TRANSLATION  YES  NO  WE  WO 03/081416 A2 3/21/2003  PCT  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED  Q/30/06			$\rightarrow$			ļ		ļ	<u> </u>			
Examiner Initial  DOCUMENT NUMBER  FILING DATE  COUNTRY  CLASS  WE  TRANSLATION  YES  NO  WE  WO 03/081416 A2 3/21/2003  PCT  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED  Q/30/06		+ +	<del></del>			<b> </b>	<del></del>		<del> </del>	ļ		
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Initial  MAGE 2002-297320 3/30/2001 Japan — WO 03/081416 A2 3/21/2003 PCT — X  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED 9/30/06	F		T 5-2					<del></del>				
Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)  Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  DATE CONSIDERED  9/30/06		1	DOCUMENT NUMBER		FILING DAT		COUNTRY	CLASS				
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Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Penrsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  EXAMINER  DATE CONSIDERED  9/30/06	WYS		WO 03/081416 A2	_	3/21/200	3	PCT	<b></b>		<u> </u>	ļ	
Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Penrsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  EXAMINER  DATE CONSIDERED  9/30/06		-	<b>-</b>		•			<del> </del>	<b>ļ</b>			
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Gurumurthi et al., "Interplay of Energy and Performance for Disk Arrays Running Transaction Processing Workloads", Dept. of Computer Science and Engineering, The Penrsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  EXAMINER  DATE CONSIDERED  9/30/06			Other D	ocu	ments (Incl	udins	Author, Title, Date I	ertinent Pa	ages. Etc.	)		
Workloads", Dept. of Computer Science and Engineering, The Pennsylvania State University, and IBM Research Division, Thomas J. Watson Research Center, 10 pages  EXAMINER  DATE CONSIDERED  9/30/06											Processing	
Research Division, Thomas J. Watson Research Center, 10 pages  Date Considered 9/30/06	MB 1		Workloads", Dept.	of C	Computer Sc	ience	and Engineering, Th	e Pennsylv	ania Stat	e University,	and IBM	
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ms	2003/0189811 A1	10/9/2003	Peeke et al.				7/03		
1	2002/0062387 A1	5/23/2002	Yatziv	$\bot$ $\frown$			0/2001		
	2003/0193733 A1	10/16/2003	Hakamata et al.				/2003		
	2003/0193732 A1	10/16/2003	Hakamata et al.				/2003		
	6,583,947	6/24/2003	Hakamata et al.				6/99		
<u>+</u>	2003/0041283 A1	2/27/2003	Murphy et al.			4/24	/2002		
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